



ABSTRACT

Composite concrete pavement includes a surface course of normal concrete and a subbase or lower layer of concrete with coarse aggregate defined as enriched limestone waste of grading intermediate between coarse and fine aggregates. Coarse aggregate of this concrete is an enriched by-product of the manufacture of crushed limestone of regular sizes. As a raw material for enrichment, it should be finer than 9.5 mm. the amount of aggregate finer than 4.75 mm as a part of the total weight of aggregate should be not less than 1/2 before enrichment and close to, but not exceeding, 2/3 in the aggregate bin. Specified compressive strength and modulus of rupture of this concrete are up to 5,000 psi and 750 psi, respectively.